

**COMMITTEE ON SCIENCE AND TECHNOLOGY
FULL COMMITTEE MARKUP
July 22, 2010**

AMENDMENT ROSTER

H. R. 5781, the National Aeronautics and Space Administration Authorization Act of 2010

No.	Amendment	Summary	Results
1	Ms. Kosmas (039)	<p>Amends Findings subsection (8).</p> <p>Adds funding to the Commercial Orbital Transportation System (COTS) program and commercial crew transportation-related activities, and cuts restructured exploration program funding.</p> <p>Strikes existing commercial crew and related commercial space initiatives language (Section 242) and replaces with new language related to the development of commercial crew transportation capabilities and services.</p> <p>Strikes the direct loan and loan guarantee program authorized by Section 243 and corresponding authorizations of appropriations.</p>	Failed by voice vote
2	Mr. Sensenbrenner (040)	<p>Amends Section 2 by adding a new finding: “NASA’s temperature records substantially overlap with the records of the Climate Research (CRU) at the University of East Anglia. The integrity of the CRU’s dataset was compromised by the Climategate e-mail scandal.”</p> <p>Adds a new Section 304 requiring that the Administrator issue a report to Congress “the extent and degree to which NASA’s temperature records overlap with the records at the Climate Research Unit at the University of East Anglia, the reasons for and sources of that overlap, and the possibility that NASA’s temperature records have been compromised.”</p>	Passed by voice vote
3	Mr. Rohrabacher (047)	<p>Redirects funds from the restructured exploration program and the loan and loan guarantee program to commercial crew transportation-related activities in all five fiscal years.</p> <p>Strikes the direct loan and loan guarantee program</p>	Withdrawn

		authorized by Section 243 and corresponding authorizations of appropriations.	
4	Mr. Rohrabacher (046)	Redirects funds from the restructured exploration program to the Commercial Orbital Transportation System (COTS) program in FY 2011.	Failed by voice vote
5	Mr. Grayson (081)	Strikes the direct loan and loan guarantee program authorized by Section 243 and corresponding authorizations of appropriations.	Failed by roll call vote 6-23
6	Ms. Kosmas (040)	Adds funding in all five fiscal years for Exploration Technology Development with no offset. Adds a new Section 204 entitled "Development of Technologies and In-Space Capabilities for Beyond Near-Earth Space Missions."	Failed by voice vote
7	Mr. Lujan (065)	Strikes authorization of appropriations that limited funding for Commercial Reusable Suborbital Research project. Amends the Plan language contained in Section 906. Adds new subsections to Section 906 related to commercial reusable suborbital research, including provisions on program management and reporting requirements.	Passed by voice vote
8	Mr. Broun (001)	Strikes authorizations of appropriations for FY 2014 and FY 2015.	Passed by voice vote
9	Mr. Sensenbrenner (003)	Amends Section 201 to state that Congress reaffirms its support for the Constellation program.	Failed by roll call vote 10-19
10	Mr. Olson (034)	Amends Section 202 to specify that the plan to restructure the exploration program make use of work done to date on "spacesuit development and related life support technology." Also amends Section 202 to specify that the restructured exploration program continue work on spacesuit development.	Passed by voice vote
11	Ms. Kosmas (041)	Amends Section 202 to specify that the plan to restructure the exploration program take best advantage of "Federal" investments. Also amends Section 202 to require that, in developing the heavy lift launch vehicle, the Administrator "take all appropriate actions to ensure the long-term affordability and sustainability of the heavy left launch vehicle, including consideration of joint use of propulsion systems across civil, national security, and commercial vehicles."	Failed by voice vote

		Also amends Section 202 to require that the restructured exploration program be implemented in a manner that “provides robust competition in the procurement process.”	
12	Mr. Grayson (080)	<p>Amends Section 202 by striking language which states that if “one or more United States commercial entities are certified to provide ISS crew transportation and rescue services, the crew transportation system developed under this section shall be available as a backup ISS crew transportation and rescue service as needed but shall not be utilized as the primary means of ISS crew transportation and rescue or otherwise compete with the commercial system for ISS crew transportation and rescue services.”</p> <p>Amends Section 241 by striking language which states that Congress affirms the policy of: 1) making use of U.S. commercially provided ISS crew transportation and crew rescue services to the maximum extent practicable; and 2) limiting, to the maximum extent practicable, the use of the system developed under Section 202 to non-ISS missions once commercial crew transportation and crew rescue services that meet safety requirements become operational.</p> <p>Strikes certain language in Section 242 related to Commercial Services Opportunities and NASA Insight and Oversight Processes.</p>	Failed by voice vote
13	Mr. Wilson/Ms. Fudge (034)	Amends Section 202 to state that “In order to maximize the return on facility investments already made to enable new capabilities, NASA is encouraged to undertake testing at existing facilities and in one location where possible.”	Withdrawn
14	Ms. Kosmas (043)	<p>Amends Section 202 by adding a subsection entitled “NASA Launch Support and Infrastructure Modernization Program for the Restructured Exploration Program”</p> <p>Amends Section 231 by detailing the activities for which funding for the 21st Century Space Launch Complex Initiative shall be available.</p> <p>Also amends Section 231 by adding a reporting requirement related to the plan for the implementation of the 21st Century Space Launch Complex Initiative.</p>	Passed by voice vote
15	Mr. Peters (050)	Amends Section 203 by adding a new subsection directing the Administrator to suspend any planned or	Passed by voice vote

		ongoing space radiation research using non-human primates until the Administrator transmits a report to Congress containing certain information, including a justification and rationale for additional research involving non-human primates.	
16	Ms. Kosmas (038)	Amends Section 211 by adding a vehicle and component review provision.	Passed by voice vote
17	Ms. Edwards (065)	Strikes Section 212 (ISS Research Management Institution). Amends Section 213 to require that the Administrator, rather than an institution designated under Section 212(a), prepare a United States ISS research management plan.	Withdrawn
18	Mr. Sensenbrenner (039)	Amends Section 215(c) to state that “Before relying on ISS partners to upmass or downmass cargo, the Administrator must certify to Congress that no United States or commercial cargo resupply capabilities are available.”	Passed by voice vote
19	Ms. Kosmas (042)	Adds a new Section directing the Administrator to fly the “Launch-on-Need Shuttle mission currently designated in the Shuttle Flight Manifest dated February 28, 2010, to the ISS in fiscal year 2011...” if certain conditions are met. Also reallocates funding to support the mission.	Passed by voice vote
20	Mr. Olson (031)	Adds a new Section 221 directing the Administrator to “fly the Launch-on-Need Shuttle mission currently designated in the Shuttle Flight Manifest dated February 28, 2010, to the ISS in fiscal year 2011...if the Administrator determines that the mission is necessary to ensure the crew safety and viability of the ISS, and if the Shuttle mission can be flown safely.” Also reallocates funding to support the mission.	Withdrawn
21	Mr. Wu (051)	Amends Section 223 to require that the competitive procedure through which decommissioned orbiter vehicles will be made available for display take into account geographical diversity.	Passed by voice vote
22	Mr. Wilson/Ms. Fudge/Mr. Wu (033)	Amends Section 223 by striking certain language related to the competitive considerations for the disposition of decommissioned orbiter vehicles.	Passed by roll call vote 18-14
23	Mr. Grayson (079)	Adds a new Section 232 stating that “No funds shall be provided by the Administrator for human space flight activities unless the associated launch takes place at the Kennedy Space Center.”	Withdrawn
24	Ms. Fudge/Mr. Wilson (070)	Adds a new subsection (a) to Section 243 that directs the Administrator to “enter into an arrangement with the National Academies under which the National Academies shall submit to Congress...a report with	Withdrawn

		details on the feasibility of a commercial space market....”	
25	Mr. Matheson (065)	Adds a new Subtitle F stating that “For all programs authorized under [Title II], authorized funds may be obligated only for performance of the programs.”	Passed by voice vote
26	Mr. Rohrabacher (045)	Adds a new Subtitle F directing the Administrator to review and report to Congress on: 1) any technology-related laws that prevent space cooperation with China; and 2) the Shenzhou spacecraft.	Failed by voice vote
27	Ms. Johnson (125)	Amends Section 405 to specify that the Administrator shall transmit the plan required under the Section to Congress not later than 1 year after the date of enactment of the Act.	Passed by voice vote
28	Ms. Fudge/Mr. Wilson (071)	Amends section 501 by adding that the Space Technology Program shall support “research, development, and demonstration of enabling technologies in support of future exploration missions.	Passed by voice vote
29	Mr. Wilson (036)	Amends section 601 by adding “and students in rural schools” to the list of groups the programs are designed to increase student interest and participation.	Passed by voice vote
30	Mr. Lujan (064)	Amends section 601 by adding “with special consideration for minority serving institutions” to the competitive grants for institutions of higher education subparagraph and replaces the “Outreach to Students from Underrepresented Groups” subsection with new language.	Passed by voice vote
31	Ms. Johnson (126)	Amends section 601 by adding “and recruit minorities that are underrepresented in STEM teaching” to the activities the Administrator is required to consult with the Secretary of Education and the Director of NSF about.	Passed by voice vote
32	Ms. Edwards (064)	Adds a new section to Title VI of the bill establishing a pilot program for hands-on space science and engineering education and training.	Passed by voice vote
33	Ms. Fudge (072)	Amends section 701 by adding a new subparagraph requiring the Administrator to make an assessment in relation to the strategy of modifications needed to maximize usage of facilities that offer unique and highly specialized benefits to the aerospace industry and the American public.	Passed by voice vote
34	Mr. Rohrabacher (048)	Amends section 909 by reaffirming the policy with respect to threats posed by near-Earth objects set forth in the National Aeronautics and Space Administration Act of 2008.	Passed by voice vote
35	Mr. Rohrabacher (049)	Amends section 909 by reiterating Congress’ support for the use of the Arecibo Observatory for NASA-funded near-Earth object-related activities, and seeks	Passed by voice vote

		to ensure the availability of the Observatory's planetary radar to support these activities.	
36	Mr. Rohrabacher (044)	Adds a new section to the bill prohibiting NASA personnel or contractors from any exchange or contact with the People's Republic of China or any entity who is headquartered in the People's Republic of China.	Failed by roll call vote 6-20
37	Ms. Edwards (063)	Adds a new section to the bill extending the reduction-in-force moratorium created in the National Aeronautics and Space Administration Act of 2008 to December 31, 2015.	Failed by roll call vote 12-18
38	Mr. McCaul (002)	Adds a new section to the bill stating a sense of Congress that NASA shall endeavor to carry out, to the extent feasible and technologically possible, the top recommendation from the decadal survey in each mission area.	Passed by voice vote
39	Mr. Sensenbrenner (041)	Adds a new section to the bill requiring ethics programs in the Office of General Counsel and prohibiting the General Counsel from being designated as NASA's ethics officer.	Passed by voice vote